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Geographic Division, O/RR

CURRENT STATUS AND PLANS

15 January 1951

The Geographic Division provides intelligence coordination, production and support in the fields of mapping and related geographic analysis. Distinct segments of its over-all responsibilities are separately assigned among the components of the Division, which are mutually inter-dependent and function together as a closely-knit organization.

In briefest terms, the Division produces and coordinates geographic and map intelligence, provides centrally for the production of special intelligence maps and research in specialized cartographic techniques, coordinates requirements for and initiates procurement of foreign maps and, by maintaining an extensive library of maps on foreign areas, provides map reference services for the CIA and other intelligence agencies.

A summary of the current operations of the Division and of plans for further development are given in the following paragraphs.

MAP INTELLIGENCE

1. Current Coordination and Production

a. The Division performs the following map intelligence coordination:

- (1) Acts as coordinator for NIS Chapters IX, which are analyses of the status of mapping in each NIS study area. The extent and quality of control, air photography and map coverage of each area are evaluated, and deficiencies are pointed out. Recommendations are furnished on the best maps available for specific uses. As coordinator, the Division chairmans the NIS Chapter IX Working Subcommittee, arranges and edits final manuscript prior to submittal, provides substantive contributions, and gives direction to contributors which include the Army Map Service, the Navy Hydrographic Office,

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the Air Force Aeronautical Chart Service, the Army Signal Corps, and MATS.

- (2) Provides partial and informal coordination of requirements for map intelligence collection through CIA and Department of State channels, and contributes to general and specific collection requirements, particularly in respect to reporting on the status of mapping and mapping organizations and personnel in foreign countries.
- (3) Coordinates and provides a centralized research service to the Government mapping organizations for information on the location and status of international and internal boundaries and territorial claims, and collaborates closely with the Department of State in order to provide acceptable recommendations for the proper portrayal of de facto and disputable boundaries and territories.

b. The Division conducts the following map intelligence production:

- (1) Contributes substantive elements to NIS Chapters IX on the political, economic and sociological maps relating to each study area.
- (2) Produces intelligence reports and working papers on foreign mapping agencies and map publishing firms.
- (3) Provides over-all direction and editorial responsibility for a broad project on Soviet capabilities in mapping and aerial photography that is being initiated under contract [REDACTED] 25X1A5a1  
[REDACTED] 25X1A5a1  
[REDACTED] This project will result in a series of technical intelligence reports.
- (4) Produces detailed intelligence reports on international boundaries of current importance.
- (5) Produces a periodic Map Research Bulletin in which current information on the status of boundaries, evaluations of new maps and map information sources and other related items are reported. This publication is directed primarily toward the needs of map research analysts although specific items are of much wider interest.

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2. Pending Developments

- a. It will be recommended that a Committee be established, to be called the "Map Intelligence Coordination Committee" and to be chaired by the Geographic Division, O/RR, with representatives from G-2, ONI, Air Intelligence, Army Map Service, Aeronautical Chart Service, the Navy Hydrographic Office, Military Liaison/State, and the Photo and Survey Section, JIG. The frame of reference for this Committee would be essentially:
- (1) To program map intelligence production to more effectively meet over-all map intelligence needs insofar as military operational requirements will permit.
  - (2) To assign responsibility for and review manuscript reports on aerial photographic and mapping deficiencies in critical areas, with recommendations for corrective action on a priority basis. These recommendations would be arrived at with full cognizance of the coordinated requirements for air photography and mapping for operational purposes as determined by the military services.
  - (3) To coordinate map intelligence collection requirements and to arrange for collection through the most appropriate facilities which would include both overt and covert field reporting, air photography and ground surveys.
  - (4) To effect the exchange of information on map intelligence efforts within all participating agencies.
  - (5) To determine priority in production of specialized intelligence maps when current information proves the inadequacy of currently available maps on specific subjects of intelligence interest.
- c. It is planned that the Division will provide a staff for the Map Intelligence Coordination Committee and will contribute to reports initiated by Committee action.
- d. Prior to issuance as finished intelligence, the reports resulting from the Mapping and Charting Laboratory's project will be coordinated with appropriate components of the intelligence and technical services agencies.

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## GEOGRAPHIC INTELLIGENCE

### 3. Current Coordination and Production

- a. Members of the Division represent CIA on the Committee on Geophysics and Geography, Research and Development Board, and its Panel on Geographic Research Techniques. The Division gives intelligence support to the Committee, particularly in respect to developments in geographic research techniques, and chairmans one working group of the Panel.
- b. The Division represents the CIA on the U. S. Board on Geographic Names, and chairmans its Foreign Names Committee which establishes policy for official standardization of geographic names in foreign areas. Considerable professional assistance is provided to the Board's Staff by members of the Division.
- c. The Division gives support to other components of CIA by:
  - (1) Supplying fully analyzed locational data for use in cartographic compilations undertaken within the Division;
  - (2) producing terrain and other basic geographic studies to accompany intelligence reports and to provide essential background required for CIA field operations; and
  - (3) contributing analyses of detailed locational factors of significance to a variety of investigations of economic and military capabilities undertaken within CIA.

In providing these geographic analyses, the Division works closely with those components of CIA and other agencies most capable of furnishing current data on specified subjects.

- d. The Division attempts to keep abreast of locational intelligence information received in CIA and in other agencies and reviews and evaluates a large part of the more basic and detailed locational information received in CIA.

### 4. Pending Developments

- a. Geographic intelligence production by the Division is

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expected to develop further primarily as a support function for operational and production requirements within CIA, with emphasis on the analysis of terrain and detailed locational data.

- b. Because of the manner in which geographic intelligence and research, however defined, is scattered through many parts of the intelligence and research and development organizations and through the technical services, additional formal coordination in this field is impractical at this time.

### CARTOGRAPHY

#### 5. Current Coordination and Production

- a. The Division performs the following cartographic coordination:
  - (1) Coordinates the NIS standard base map program by determining requirements of NIS contributors and by providing to contributors newly compiled separation plates on plastic (averaging 7 to 9 in number for each base map) in order to facilitate their preparation of final drawings. Production of these base maps is scheduled in accordance with NIS program needs.
  - (2) Coordinates and handles specifications for color-proofing and printing of final maps prepared over standard bases for inclusion in NIS publications.
  - (3) Represents CIA on and gives intelligence support to the Panel on Cartography and Geodesy of the Committee on Geophysics and Geography, Research and Development Board, and thereby coordinates its developmental cartographic studies with those of other agencies.
- b. The Division conducts the following cartographic production:
  - (1) Prepares new specialized maps for inclusion in CIA and Department of State reports (occasionally in those of other agencies), for inclusion in Chapters IV, V and VI of NIS studies, for conference use and for CIA operational needs. This work requires

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careful analysis of data from a cartographic point of view, design of the individual map to give proper emphasis, the construction of fair drawings, and the follow-through to final printing.

- (2) Arranges for color separation, revision and reproduction of existing maps in the formats and quantities required for special CIA operational needs.
- (3) Conducts cartographic research to improve techniques for the production of specialized intelligence maps.

#### 6. Pending Developments

- a. Currently the Division offers the only sizable cartographic facility dealing wholly with special intelligence maps in the IAC area, and it is planned that this facility be formally recognized as available to component parts of all IAC agencies for special intelligence map needs, including their contributions to national intelligence estimates.
- b. A small, highly-trained staff is being developed for the construction of maps on a "rush" basis to meet short deadlines within CIA.
- c. With the development of plans to schedule the production of new specialized intelligence maps of foreign areas to correct current deficiencies, the cartographic staff of the Division will be expected to work closely with components of other agencies contributing data within the framework of this effort, and when needed, will provide the central cartographic facility for the production of such maps.

#### MAP PROCUREMENT

#### 7. Current Coordination

- a. An Inter-Agency Map Procurement Coordination Committee is charged with responsibility for coordinating the map procurement requirements of the several mapping organizations of the Government. This Committee is chaired by the Division and has active representatives from the Army Map Service, the Navy Hydrographic Office, the Air Force Aeronautical Chart Service, and four other agencies. In providing an operational staff for this Committee, the Division furnishes the following support for this coordination:

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- (1) Prepares coordinated "want lists" which reflect the detailed requirements of each participating U. S. Agency. These want lists are submitted to foreign map-publishing agencies and to geographic attaches abroad;
  - (2) prepares drafts of instructions and specific requirements for transmittal to Foreign Service Geographic Attaches, communications to Foreign Service posts and letters to foreign mapping agencies;
  - (3) handles the details inherent in conducting each of the active map exchanges, numbering 125, which have been established by the Department of State with foreign map-publishing organizations;
  - (4) assembles and forwards to the foreign organizations all items in fulfillment of U. S. commitments under the terms of these arrangements; and
  - (5) distributes to agencies participating in this program, insofar as appropriate, copies of pertinent communications, reports and maps that are received from abroad.
- b. In his capacity as the Department of State's Special Assistant for Maps, the Chief of the Division provides professional direction for its foreign map and map intelligence program and for the Foreign Service Geographic Attaches who are the field representatives of this program. This program is dependent upon the staff work provided by other members of the Division.
- c. In addition to the maps procured through this coordinated program, the Division obtains other maps required by CIA and the Department of State either directly from other Government agencies, from enclosures to reports routed to or requested by the Division, and through direct purchase or controlled channels.

8. Pending Developments

- a. In line with the coordinated program for procurement of maps from foreign sources, steps are now underway to coordinate the collection of maps from domestic sources.

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The Division is actively discussing, with representatives of the mapping organizations of the military services, procedures for effecting this coordination by the establishment of centralized contact files, coordinated use of [redacted] facilities and close collaboration in exploitation of map enclosures to incoming despatches and reports.

#### MAP REFERENCE SERVICES

##### 9. Current Coordination

- a. A RESTRICTED weekly "Acquisitions List for Maps of Foreign Areas" is prepared by the Division. This is a coordinated list which incorporates references to the maps and charts entered into the map libraries of the Army Map Service, the Aeronautical Chart Service, the Navy Hydrographic Office, the Coast and Geodetic Survey, the Geological Survey, and the Library of Congress.
- b. Through close coordination with IAD/State, the Division reviews incoming despatches and reports from abroad and collaborates in the preparation of a periodic "Selected List of Geographic Reference Materials received in the Acquisition and Distribution Division, Department of State."

##### 10. Current Service

- a. The Division fulfills requests for maps and other cartographic reference materials as a support function to all offices of CIA, the Department of State, and the military services. Assistance may also be provided to other appropriate Government agencies. Emphasis is placed on the selection of maps of appropriate scale and subject content to meet specific needs. Requests for identification and location of geographic names relating to cities, administrative areas, rivers and other features are also handled by this reference service.

- (1) This service, although backed up by the professional advice of the entire Division, is primarily dependent upon the large CIA map library which is maintained by the Division. This library contains copies of the more recent official and commercial maps and atlases relating to foreign areas. The holdings of this collection are being continually

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augmented by procurement from foreign and domestic sources. Items that have lost their intelligence value are transferred to other libraries or destroyed. Direct liaison and coordination with other Government map libraries in providing maximum service is standard procedure.

11. Planned Developments

- a. A SECRET "Acquisitions List for Maps of Foreign Areas" is scheduled for issuance in the near future and will be a combined list of classified maps and charts received by CIA, the Army Map Service, the Aeronautical Chart Service, and the Navy Hydrographic Office.

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TO : Chief, Basic Division  
FROM : Coordinator, Chapter IX, NIS  
SUBJECT: Tentative production schedule for Chapter IX, NIS for  
Fiscal Year 1952

12 January 1951

1. At a meeting of the NIS Chapter IX Subcommittee on 12 January 1951  
the following were present:

Major N. M. Burgner	Air Weather Service
Major Ralph H. Foley	Office of Chief of Engineers
Mr. Donald H. Dow	Military Geology Branch, USGS (OCE)
Mr. Gilbert A. Engen	Hydrographic Office, Navy
Mr. C. V. O'Brien	Hydrographic Office, Navy
Mr. A. S. Wilgus	Hydrographic Office, Navy
Mr. Paul Alexander	Army Map Service
Mr. Burns D. Price	Army Map Service
Mr. J. Hughes	Division of Oceanography, Hydrographic Office, Navy
Mr. G. Hartley	Aeronautical Chart Service
Mr. D. S. Pegler	Aeronautical Chart Service
	Central Intelligence Agency

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2. The following tentative production schedule for NIS Chapters IX for  
fiscal year 1952 was agreed to by all contributors. The production schedule  
is hereby presented to the NIS Committee for consideration.

<u>NIS No.</u>	<u>Area</u>	<u>Contribution submitted to CIA</u>	<u>Manuscript to NIS</u>
28	Syria & Lebanon	15 June 1951	Sept 1951
43	French Indochina	15 July 1951	Oct. 1951
8	Portugal	15 Aug. 1951	Nov. 1951
18	Czechoslovakia	15 Sept 1951	Dec. 1951
42	Siam	15 Oct. 1951	Jan. 1952
9	Spain	15 Nov. 1951	Feb. 1952
27	Turkey	15 Jan. 1952	Apr. 1952
24	Greece (Revision)	15 Feb. 1952	May 1952
12	Finland	15 Mar. 1952	June 1952

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Geographic Division O/RR

DEC 7 - 1950

SPECIFIC PROJECTS IN PROGRESS OR UNDER CONSIDERATION  
(EXCLUDING MAP PRODUCTION)

(All projects are in progress unless otherwise indicated. Those presently under consideration are preceded by an asterisk.)

1. NIS Chapters IX (Map and Chart appraisals)

The Geographic Division contributes the sections relating to the evaluation and description of political, economic and sociological maps for each NIS study area. It also has been assigned responsibility for consolidating contributions of other agencies and for the final coordination of each of these Chapters. The following Chapters IX are in preparation:

NIS-32, Chapter IX, Arabian Peninsula  
NIS-30, Chapter IX, Iraq  
NIS-26, Chapter IX, U.S.S.R.  
NIS-21, Chapter IX, Yugoslavia  
NIS-39, Chapter IX, China  
NIS- 7, Chapter IX, Denmark  
NIS-41, Chapter IX, Korea  
[REDACTED]  
NIS-19, Chapter IX, Hungary

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2. Map Intelligence Reports

Reports which evaluate mapping capabilities and the adequacy of map coverage of foreign areas, and the organizations and production of foreign mapping and map publishing agencies.

- \* a. Availability of Operational Maps for the Area under Soviet Domination.  
(A survey and evaluation of deficiencies in map coverage for Soviet and Allied military operations)
- \* b. Availability of Operational Maps for the South Asian fringe (including the Near East)
- \* c. Availability of Operational Maps for Western Europe and North Africa
- \* d. Availability of Operational Maps for North American Arctic and Sub-Arctic
- e. An Estimate of Soviet Capabilities in Geodesy and Cartography.

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- f. Mil-Geo - The Military Geography of OKH
- g. Foreign Official and Private Map Publishers: Uruguay
- h. Current Mapping in Morocco

3. Territorial and Boundary Reports and Technical Studies

Analyses of the bases and current status of boundaries and territorial claims. The Geographic Division recommends appropriate representation of boundaries to the mapping organizations of the U. S. Government.

- a. China-Korea Boundary
- b. Iran-U.S.S.R. Boundary
- c. Southwest Frontiers of China
- d. Turkey-U.S.S.R. Boundary
- e. Rumania-U.S.S.R. Boundary
- \* f. Norway-U.S.S.R. Boundary
- \* g. Finland-U.S.S.R. Boundary
- h. Sovereignty Status of Pacific Islands
- i. East China, Communist Administrative Areas
- j. Political Administrative Structure of the French Union
- k. Recommendations for Boundary Representation on WAC charts

4. Geographic Reports

Geographic analyses of areas and of the locational aspects of foreign economic situations.

- a. Geography of Three Soviet Urban Regions.
- b. Regional Studies of the U.S.S.R.
- c. Studies of Selected Towns of the U.S.S.R.
- d. Geographic Appendix - SR on Yugoslavia
- e. Geographic Appendix - SR on Hungary
- f. Geographic Appendix - SR on Finland
- g. Manganese in Brazil - Vulnerability Study
- h. Manganese in India - Vulnerability Study

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- j. Information for Appraisal of the Schuman Proposal
- k. Water-ways of Pre-War and Post-War Poland Relative to the Six-year Plan

5. Map Research Bulletins

The Map Research Bulletin contains lead articles and brief notices of evaluated basic intelligence, of a timely nature, primarily directed toward personnel of other agencies engaged in map analyses and compilation.

6. Research in Support of Map Compilation

The Branches concerned with intelligence reporting have responsibility for giving support to the Cartography Branch in providing review and analysis of locational information in support of map compilation needs.

- a. Railroads of the Satellite Countries
- b. Administrative Divisions of Albania
- c. Agricultural Regions in Bulgaria
- d. Recommendations for Source Material for use in compiling NIS Standard Base Maps

7. Research Support Projects

These projects are background work confined to operations within the Geographic Division.

- a. Plotting of locational data. (Evaluated locational data are plotted on overlays held in readiness for geographic, map research and compilation projects)
- b. Professional support for the foreign procurement of maps and map intelligence.

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## The Problem of Soviet Capabilities in Geodesy and Cartography

Proposal for a project to be undertaken by the  
Mapping and Charting Laboratory of the Ohio  
State University Research Foundation

### I. OBJECTIVES

As a result of a series of meetings held between members of the Map  
Division, CIA, and representatives 25X1A5a1 [REDACTED]  
25X1A5a1 [REDACTED] a specific project  
has been submitted by the Laboratory: 1) to undertake a comprehensive  
study of the Soviet geodetic and cartographic establishment; and 2) to  
prepare national intelligence estimates of Soviet capabilities in foreign  
and domestic mapping of an accuracy sufficient for the needs of impending  
developments in the technology of warfare.

The Soviet Union possesses a geodetic and cartographic establishment  
believed to be second to none in the world. It has made important advances  
in scientific research and has been responsible for transforming the vast area  
of the Soviet Union from one of the poorest to one of the better mapped countries  
of the world within the short span of 33 years. Very little is known, however,  
of its structure and organization.

The proposed project was designed for the study and analysis of the highly  
complex organization and for determining the status of its development. The  
project will, within the limits of available information, determine the potential  
of the Soviet organization for meeting the increasingly exacting requirements  
in geodesy and cartography for intercontinental guided-missile warfare. The  
study will include a comparison of the status of development of Soviet and U.S.  
geodesy and cartography. For example, recent information suggests that the Soviets  
have succeeded in bridging the geodetic gap between the Potsdam and Pulkovo  
(Soviet) datums in eastern Europe. If so, the Soviets have an  
advantage over the U.S. in the solution of this problem as far as map production  
is concerned. The Mapping and Charting Laboratory has concluded, in a project

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report for the USAF, that a common world datum is not essential for guided-missile control, but no attempt is being made to determine Soviet cognizance of this thesis. Information on Soviet intelligence on this topic could be a significant factor in estimating the aggressive capabilities and timing of the U.S.S.R. The proposed project, as outlined in detail in Appendix A, will attempt to provide the best possible national intelligence estimates of Soviet current as well as future capabilities on the basis of currently available information. The project will at least provide a comprehensive collection of information and related estimates on the basis of which intelligence requirements may be refined and estimates of future Soviet developments and achievements may be revised.

The project will offer a unique combination of technical knowledge and linguistic skills that will enable it to cover the broad scope of scientific fields related to geodesy and cartography that are included in the unique Soviet scientific organization. Soviet science has successfully overcome many of its scientific deficiencies through highly rationalized control of scientific research. By means of centralized direction through the Soviet Academy of Sciences, pure research is closely integrated into the requirements of applied science. For example, astronomical journals have been found to contain a number of valuable articles which are on astronomy but have been related to the solution of geodetic problems. This situation creates some unusual problems for the organization of American research on U.S.S.R. activities. It also explains, in part, why responsible technical areas in the U.S. military services are not in a position to exploit comprehensively the various scientific fields related to geodesy and mapping. The Laboratory, through the wide range of scientific fields represented on its personnel roster and available to it on a part-time or consultant basis, will offer a combination not now available in any official U.S. agency.

The original project was enlarged to include the interests of the Office of Scientific Intelligence, CIA, as outlined on Appendix B. Since geodesy and cartography are related to the broad field of geophysics and geography in the Soviet scientific organization, it is expected that the research of the project

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will extend into numerous source materials on geophysics and geography. Significant sources and information on developments, trends, and new theories and techniques in the fields outlined in Appendix B, which may be located in the course of research on Soviet geodesy and cartography, will be noted for the attention of OSI. This same information will be made available to the Committee on Geophysics and Geography, RDB, as partial fulfillment of Map Division, ORE, responsibilities for furnishing appropriate intelligence.

The results of the proposed project will be varied. The most significant product will be fully coordinated national intelligence estimates for the National Security Council, the Joint Chiefs of Staff, and the Research and Development Board. Special intelligence notes concerning developments, trends, theories, and techniques on topics outlined in Appendix B will be prepared for OSI, CIA. Significant items selected by OSI will be made available to the Research and Development Board and other interested governmental agencies. Data cards and map overlays presenting pertinent geodetic, cartographic, and geographic information will be provided to the interested components of CIA and the appropriate technical areas of the military agencies.

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The staff of the Laboratory is of a very high caliber (see Exhibit I, pp. 60-66). Moreover, it commands sufficient scientific respect and has sufficient freedom of action to enable it to call upon outstanding scientists whenever their specialized training may be required. The technical supervisor selected for the project will be Dr. N. T. Bobrovnikoff. As supervisor of the Aeronautical Chart Service projects, Dr. Bobrovnikoff has made an extensive survey of Soviet literature and has built up an extensive bibliography on Soviet geodesy and cartography.

The staff was recently augmented by the appointment of an international authority, Dr. W. A. Heiskanen, Director of the Isostatic Institute of the International Association of Geodesy and Director of the Finnish Geodetic Institute. Dr. Heiskanen's research has included close study of the U.S.S.R., as well as travel within the country. He possesses the combined qualifications of a ready knowledge of Russian, a command of English, and preeminence in the scientific field. He has brought with him data and literature which are unique. The proposed project, if approved, may bring additional trained personnel from the two Institutes he represents.

The project proposal specifies that the staff consist of ten part-time and thirteen full-time members. Of the full-time personnel, six are to be research associates who will combine professional competence in pertinent sciences and a rapid reading and writing knowledge of technical Russian and of English.

### III. BACKGROUND OF NEGOTIATIONS

The initial CIA contact with the Laboratory was established in January 1948 through the Aeronautical Chart Service, when a representative of the Map Division assisted in working out some of the technical details for the ACS project and coordinated the operation with CIA operations (FDD and Map Division). The Map

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Division continued to provide consultant services to the project through requests of the Aeronautical Chart Service. The relationship proved to be of mutual benefit. The Map Division, in its first contact, established a procedure for the preparation of a special card file on valuable special maps in little-known Soviet publications. Through this medium over 2,300 maps have been located, most of them being both unique and valuable. In addition, bibliographical/abstract cards were prepared for 1,200 publications on mapping and the earth sciences, which were found in collections scattered throughout the U.S.

In the course of these working-level contacts between the Map Division and the Laboratory, it was recognized that the production requirements of the ACS contracts limited the scope of research and prevented the consummation of a systematic and comprehensive investigation of Soviet mapping organizations, facilities, activities, and capabilities. This limitation was one of the factors that led to informal discussions preliminary to the formulation of this project proposal.

On 10 August 1950, a member of the Map Division and the 25X1A5a1  
25X1A5a1 explored informally the Laboratory's capability and interest in undertaking the proposed project. After extended discussions between members of the Map Division and the Plans and Policy Staff of ORE, it was agreed to hold an informal exploratory meeting with working members of the Laboratory to discuss the technical details of the project. This meeting took place 25 August 1950 and included two representatives of the Plans and Policy Staff, three members of the Map Division, and two members of the Laboratory staff (the technical and assistant technical supervisors proposed for the contract).

As a result of this meeting a project proposal, dated 30 August 1950, was submitted via the office of the Director of the Central Intelligence Agency for formal consideration. After further study within the Map Division and the Plans and Policy Staff, a series of meetings were held between members of the Laboratory

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a session on 21 September 1950 was devoted to a conference between the staff of

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the Office of Scientific Intelligence, a representative of the Map Division, and the three representatives of the Laboratory. The meeting explored the interest of OSI in the proposed project. As a consequence of the discussion, OSI indicated wholehearted support of the project, particularly when it was agreed to broaden its scope in accordance with Appendix B.

#### IV. JUSTIFICATION

A. At the present time the highest policy levels of the U.S. Government do not have available any estimate of present and future Soviet capabilities in geodesy and cartography. Without this knowledge, an estimate of the Soviet military potential is incomplete. The proposed project will produce the first estimates of Soviet capabilities ever attempted in the U.S. The initial estimates, having been based on comprehensive research and analysis, will provide a basis for planning a sounder program of intelligence surveillance than would otherwise have been possible.

B. Top-level technical areas of the U.S. military establishment do not at present have adequate knowledge of Soviet geodesy and cartography and know nothing of Soviet ability to solve problems in higher geodesy. No U.S. agencies are undertaking or planning as broad and comprehensive a study as is outlined in Appendix A. No agency in the entire western world is attempting any counter-intelligence research on Soviet capabilities for solving geodetic and mapping problems in areas outside of the U.S.S.R. No agency has attempted to compare for military purposes the status of Soviet and U.S. development and the advantages and deficiencies of each country in this field. As a consequence, the top levels of the technical areas concerned lack an adequate foundation for planning a sound research and production program in geodesy, surveying, and mapping. The proposed project will produce vital information of this type.

C. The U.S. Government does not have the necessary research resources within the governmental structure to undertake the study and the production of estimates proposed in Appendix A. Contributions to the NIS study of Soviet mapping and map coverage that were received from the map and chart organizations of the military

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agencies reveal serious gaps and inadequacies in information concerning Soviet geodesy and cartography, particularly regarding developments and capabilities. No responsible agency is as yet undertaking the broad research program for the elimination of these deficiencies as envisaged in Appendix A. The compartmentalized responsibilities of the mapping agencies of the U.S. military services limit research in Soviet technical literature to data required for the production of maps and charts. All of this compartmentalized knowledge of Soviet geodesy and cartography, even when brought together (as in the NIS study) gives a totally inadequate picture of the highly integrated and broad mapping activities of the Soviet geodetic and cartographic establishments. The proposed project will be of great value to the NIS program by providing important information for incorporation into revisions of the NIS on the U.S.S.R.; without the assistance of this project, adequate material for the much-needed revision could not be procured.

D. The map-production agencies of the military services are currently engaged in a vital program for mapping the U.S.S.R. This program is of necessity being planned and undertaken without an adequate knowledge of Soviet geodesy and cartography. This situation is quite different from that which faced map producers when a similar mapping program was being planned for western Europe for World War II operations; knowledge of west European geodesy and cartography was far more adequate. Moreover, none of the problems of geodetic discrepancies and differences were as serious as some of those associated with eastern Europe and the U.S.S.R. The geodetic information now being amassed and processed by the Army Map Service is insufficient east of a line Leningrad-Moscow-Stalingrad. Much of it is known to be obsolete, and some of it is known to contain Soviet errors. At present, it is impossible to determine what is and is not obsolete or erroneous, or the effect of poor source material upon the reliability and usefulness of the finished maps for possible military operations. For example, while something is known of the new Soviet triaxial ellipsoid, no attempt has as yet been made to determine how and to what extent currently-held geodetic data on the U.S.S.R. will be affected. This means that current production is hampered by this lack of basic information and that the tremendous investment in maps may be wasted.

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The proposed project will provide vital information for expediting production by U.S. map agencies. It may also provide "research insurance" for the large investment in the current mapping program by assisting in the derivation of corrective factors that could be used to reduce errors.

E. In the course of its past work on Air Force contracts, which involved hundreds of thousands of dollars, the Laboratory has accumulated a file of data, and bibliographical information, as well as background knowledge. Such information has not been exploited adequately for intelligence purposes because of the limited scope of the Air Force contracts. The proposed new contract will provide for the complete exploitation of a source of information that was created at government expense but might otherwise not be used for intelligence purposes.

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This office knows of no other current or planned program for surveying this information and integrating it into American files. The proposed project will attempt to make a systematic survey (within restrictions set by diplomatic relations and security liaison) of foreign-held information and incorporate it into U.S. intelligence on Soviet geodesy and cartography.

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APPENDIX BSTATEMENT OF OSI INTEREST IN THE PROPOSED PROJECT

1. The following statement is suggested for inclusion in the ORE/Map Division proposal to cover the interest of OSI in the subject project:

- a. The proposed project is also of interest to the Office of Scientific Intelligence. As a result of discussions between representatives of OSI, ORE/Map Division, and the Mapping and Charting Laboratory, it has been agreed that, in the course of the project, significant materials and information relating to requirements of OSI will be reported. OSI is interested in developments and trends, and new theories and techniques in all fields of science in the U.S.S.R., but with special reference to the following fields for the purpose of this project.
- (1) Meteorology -- weather forecasting, both short- and long-range dynamic meteorology; meteorological instruments; stratosphere; ozonosphere; ionosphere; attempts at weather control; solar radiation; meteorological optics; meteorological acoustics; micrometeorology.
  - (2) Climatology -- use of punched cards in making climatic analyses; microclimatology; uses of climatological studies in agriculture and in industry.
  - (3) Hydrology -- floods; flood forecasting; flood control; irrigation projects; power developments; improvement of navigation; forecasting of stream flow; forecasting the dates of freezing of rivers in the spring and of opening in the fall; ground water.
  - (4) Oceanography -- oceanic surveys; currents; tides and circulation; ice; salinity; temperature; gravity measurements; sea bottom; ocean margins; chemical and physical characteristics of sea water.
  - (5) Soil Mechanics -- infiltration; percolation; soil temperature; soil erosion; characteristics of permafrost; mechanics; soil characteristics.
  - (6) Seismology -- earthquakes; seismometers and seismographs; microseisms; forecasting of earthquakes; earthquake-resistant construction (buildings); causes; stresses and strains, waves.
  - (7) Terrestrial Magnetism and Electricity -- magnetic surveys; diurnal and seasonal variations in magnetism and electricity; instruments used in measuring and recording the earth's magnetism and electricity; aurora; magnetic storms.
- b. On the basis of the results thus achieved by the project, OSI may be interested at some future time in developing with this Laboratory a special project or an elaboration of the present one to explore problems of paramount interest to OSI. In this sense, the presently proposed project can serve as an exploratory and a pilot project for OSI, in addition to meeting the immediate needs of the Map Division. During the project, close liaison between the Map Division and OSI will be maintained.

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APPENDIX C

	<u>First Year</u>	<u>Second Year</u>	<u>Total</u>
Supervisor, <u>part time</u> (Director of Laboratory)			
Technical Supervisor, <u>part time</u> (N.T.B.)			
Asst. Technical Supervisor, <u>part time</u> (E.M.R.)			
Research Librarian, <u>full time</u> -----			
Research Associates, <u>full time</u> (professional competence in geodesy, photogrammetry, cartography, plus rapid reading and writing knowledge of <u>both technical Russian and English</u> required)-----6 at \$5,100.-----			
Consultants, <u>part time</u> or <u>equivalent full time</u> . (in following or related specialities: geodesy, gravity, photogrammetry, aerial photography, optics and electronic mensuration. Technical analysis of techniques and equipment.) 6 at \$3,600.-----			
			25X1A1a
Research Associates, <u>full time</u> (Geodetic and photogrammetric computers) 2 at \$4,200.-----			
Research Assistant, <u>full time</u> (Report reproduction laboratory)-----			
Research Assistant, <u>part time</u> (Draftsman)-----			
Stenographer-typist, <u>full time</u> -----			
Typist-Clerks, <u>full time</u> - 2 at \$2,100.-----			
(Indirect overhead, 47%, salaries and wages, OSU)			
Travel and communications (Domestic travel)			
Supplies and equipment ----- (To include purchase of books and periodicals, supplies for microfilm, photostat, copy camera and ozalid report reproduction; purchase of one portable microfilm camera and rental of one portable microfilm camera; purchase of 2 microfilm readers, 3 typewriters and 2 computing machines)			
Summary:			
Personnel-----	10 part time		
	13 full time		

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## PROJECT CONTROL COMMITTEE

## PRIORITY LISTINGS

9 January 1951

**SECRET**CARTOGRAPHY BRANCHPriorityBernat

501 Airlines of S. E. Asia  
 683 Poland SR  
 792(2)a USSR - Iran Frontier (4 maps)  
 892 Turkey: Boundary Index  
 827 British Commonwealth  
   11a French Union  
 816 Iraq: Distribution of Tribes  
 714 China: Petroleum Resources & Facilities  
 693 Petroleum Prospects in Mongolia  
 664 China - Culture and Language (3 maps)  
 684 China: Expansion of Culture  
 704 Minority Peoples of S. W. China  
 622 Northern Libya: Orientation Sketch  
 544 Libya: Principal Ethnic Groups  
 470 Venezuela: Fisheries  
 71 Egypt: Fisheries  
 821a Turkey USSR Boundary  
 917 Norway & Sweden: Electrification of Railways  
 755 Location of Diplomatic & Consular Posts (17 Maps)  
 901 Oil Concessions in Venezuela  
 918 United Kingdom: Coalfields  
 902 USSR: Administrative Divisions  
 919 USSR: Railway Net  
 68 Base Maps of Latin America  
 20 Administrative Divisions of China (2 parts)

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Newsham

807 NIS 42, Base Map, Siam  
 806 NIS 43, Base Map, Indochina  
 791 NIS 15-16, Base Map, Austria & Switzerland  
 790 NIS 39-IV, Base Map, South China  
 797 NIS 39-II, Base Map, Manchuria  
 515 U.S.S.R.: Forests  
 533 Iran: Fisheries  
 463 Sweden: Occurrence of Charcoal Wood  
 464 Sweden: Major Forest Regions  
 69 Reference Map of Near East  
 804 NIS 42, Base Map, Siam (Page Size)  
 805 NIS 43, Base Map, Indochina (Page Size)  
 865 NIS 35, Base Map, India

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CANTONMENT BRANCH**SECRET**Newsham (Cont'd.)Priority

861	NIS 35, Base Map, India (Page Size)	5
866	NIS 35-I, Base Map, Northern India	6
867	NIS 35-II, Base Map, Peninsular India	7
868	NIS 36, Base Map, Pakistan	8
862	NIS 36, Base Map, Pakistan (Page Size)	9
869	NIS 38, Base Map, Burma	10
863	NIS 38, Base Map, Burma (Page Size)	11
218	NIS 34, Base Map, Afghanistan	12
864	NIS 34, Base Map, Afghanistan (Page Size)	13
890	NIS 99, Base Map, Philippine Is.	14
889	NIS 99, Base Map, Philippine Is. (Page Size)	15
905	NIS 40, Base Map, Morocco	16
907	NIS 48, Base Map, Morocco (Page Size)	17
921	NIS 39, Base Map, Ceylon	18
920	NIS 39, " " " (Page Size)	19
923	NIS 60, Base Map, Belgian Congo	20
922	NIS 60, " " " " (Page Size)	21
925	NIS 46, Base Map, Tunisia	22
924	NIS 26, " " " (Page Size)	23

Orig

896	Albania: Administrative Divisions	R
581	Egypt: General Economic Map	R
528	Egypt: Minerals (1945)	R
707	U.S.S.R.: Coking Coal Basins	Ch.
738a	Bulgaria: Agricultural Region	Ch.
650	Canada SR (3 maps)	Ch.
646a	Yugoslavia: Administrative Divisions	Ch.
753	Bulgaria Terrain	Ch.
891	Brazil: Coal Mines in Santa Catarina	Ch.
841	Brazil: Oil and Gas	Ch.
844	Iraq: Races and Religions	Ch.
768	Current Political Alignments in Far East	Proof
845	Venezuela: Minerals	Proof
477	U.S.S.R.: Oil and Gas	Proof
752	Iraq: Oil Fields and Petroleum	Proof
27	Yugoslavia: Oil and Gas	Proof
803	Yugoslavia: Coal Deposits	Proof
713	Greenland: Fisheries	Proof
810	Sweden: Principal Mineral Districts	Proof
711	Monrovia: Mineral Deposits	Proof
706	Portuguese Fisheries	Proof
643	Libya: Principal Fishing Areas	Proof
638	Iran: Industrial Maps (4)	Proof
541	Okinawa: Telecommunications	Proof
582	U.S.S.R.: Principal Sawmill Centers	Proof
583	U.S.S.R.: Industrial Wood	Proof
584	U.S.S.R.: Distribution of Forest Growing Stock	Proof
798	Greenland: Air Stations, Navy Bases	Proof

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CARTOGRAPHY BRANCH (Cont'd.)

- 3 -

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729	Iceland: Principal Fisheries	Proof
830	Venezuela: Coal Deposits and Petroleum	Proof
766	Norway Forest Types	1
899	Africa: Railroads (4 maps)	2
842	China: Fisheries	3
916	Yugoslavia: Fisheries	4
900	Yugoslavia: Terrain	5
809	Germany (3 maps)	6
612	World: National Claims	7
45a	Czechoslovakia SR	8

Greenawalt

430	U.S.S.R. Fisheries Reference Map	Proof
708	Mongolia: Forests	Proof
703	Japan Peace Treaty	Proof
817	India (2 maps)	Proof
926	New Guinea	1
914	Indochina Section Cover	2
915	Philippines Section Cover	3
928	Burma Section Cover	4
929	Siam Section Cover	5

MAP INTELLIGENCE BRANCH

354 Foreign Procurement Activities  
 718 Evaluation of CIA Reports and Documents  
 835 Storage of Vital Documents  
 858 Preparation of Requirements  
 904 Plotting of Locational Data

Editing

160	NIS 26, Chapter IX, USSR	1
152	Map Research Bulletin	2
28	Mil-Geo-Military Geography Section of OKH	3

Territorial Studies

		Individual Priority			
		<u>H</u>	<u>R</u>	<u>O</u>	<u>M</u>
11	Political-Administrative Structure of the French Union	1			
152	Map Research Bulletin	2			
487	Boundary Changes Since 1900-Europe	7			
758	Sovereignty Status of Pacific Islands Shown on World Aeronautical Charts				1
763	Verification of Chinese Provincial Boundaries Shown on Chinese EM Sheets NJ 46 and NJ 47	6			
792	(1) The Norway-USSR Boundary				3
	(3) The Finland-USSR Boundary				4

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MAP INTELLIGENCE BRANCH (Cont'd.)Territorial Studies (Cont'd.)

795 East China Communist Administrative Areas  
 821 Turkey-USSR Boundary  
 823a Rumanian-Soviet Frontier  
 865a Base Map for MIS 35, India  
 868a Base Map for MIS 36, Pakistan  
 898 Review of Boundary Representation on ACS Charts  
 913 Southwestern Frontiers of China

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Western Hemisphere

68a Base Maps of Latin America  
 210a Transportation Map of Ecuador  
 354 Foreign Procurement  
 460 Canada SM Maps  
 718 Evaluation of CIA Reports and Documents  
 812 Manganese in Brazil  
 858 Preparation of Requirements  
 883 Canada: Aluminum, Nickel, and Platinum Resources  
 904 Plotting of Locational Data  
 933 Kaixite - Surinam and Trinidad

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152 Map Research Bulletin  
 160 MIS 26, Chapter IX, USSR  
 505 Research Project - Cities  
 678 Waterways of Pre-War & Post-War Poland  
 791 Geography of Three Soviet Urban Regions  
 834 O.P.C. No. 1  
 858 Preparation of Requirements  
 908 The Problem of Soviet Capabilities in Geodesy and Cartography

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Far East

152 Map Research Bulletin  
 185 MIS 39, Chapter IX, China  
 MIS 41, Chapter IX, Korea  
 814 Manganese in India  
 861a Base Map for MIS 35, India (Page Size)  
 862a Base Map for MIS 36, Pakistan (Page Size)  
 863a Base Map for MIS 38, Burma (Page Size)  
 865 Base Map for MIS 35, India  
 866a Base Map for MIS 35-I, Northern India  
 867a Base Map for MIS 35-II, Peninsular India  
 868a Base Map for MIS 36, Pakistan  
 869a Base Map for MIS 38, Burma  
 890a Base Map for MIS 39, Philippines

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MAP INTELLIGENCE BRANCH**SECRET**Far East (Cont'd.)

921a Base Map for NIS 37, Ceylon  
 940a Base Map for NIS 44, British Indonesia  
 941a Base Map for NIS 100, Indonesia  
 934 Tin - Indonesia

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Southeast Europe

27a Railroad Map of the Satellite Countries  
 45a Geog. Appendix and Maps of Czechoslovakia  
 152 M. R. Bulletin  
 182 NIS 21, Chapter IX, Yugoslavia  
 250 Agricultural Maps of Yugoslavia  
 300 Geog. Appendix and Maps of Yugoslavia  
 304 Geog. Appendix and Maps of Hungary  
 694 Rev. of Map of Greece, CIA  
 736 NIS 19, Chapter IX, Hungary  
 781 Proposed Estimate of Yugoslavia R.R.'s  
 822a Road Map of Bulgaria

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Western Europe

28 Mil-Geo-Military Geography Section of OKM  
 152 Map Research Bulletin  
 322 Geog. Appendix for SR 41 (Finland)  
 354 Foreign Procurement Activities Training Program

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Near East-Africa

69a Near East Map  
 145 NIS 32, Chapter IX, Arabian Peninsula  
 152 Map Research Bulletin  
 156 NIS 30, Chapter IX, Iraq  
 218a Base Map NIS - Afghanistan  
 354 Foreign Procurement Activities  
 760 NIS 60, Chapter IX, Belgian Congo  
 105a Base Map for NIS 48, Morocco  
 942a Base Map for NIS 47, Algeria  
 925a Base Map for NIS 46, Tunisia  
 943a Base Map for NIS 61, S. Africa  
 931 Chromite in Southern Rhodesia  
 930 Columbite and Tantalite in Nigeria  
 932 Manganese in the Gold Coast

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STATUS OF BASE MAPS FOR THE NIS A OF 31 DECEMBER 1950

NLS NUMBER	COMPILATION		DRAFTING		Final Reprod.
	Line Work	Names	Line Work	Names	
1 1 (Page Size)	Complete	Complete	Complete	Complete	Complete
1-2 Sanitized	"	"	"	"	"
3 3 (Page Size)	"	"	"	"	"
4 4 (Page Size)	"	"	"	"	"
4-6 Approved	"	"	"	"	"
5 5 (Page Size)	"	"	"	"	"
6 6 (Page Size)	"	"	"	"	"
7 7 (Page Size)	"	"	"	"	"
8 8 (Page Size)	"	"	"	"	"
8-9 For Release	"	"	"	"	"
9 9 (Page Size)	"	"	"	"	"
10 10 (Page Size)	"	"	"	"	"
11 11 (Page Size)	"	"	"	"	"
10-11 CIA-RDP	"	"	"	"	"
12 12 (Page Size)	"	"	"	"	"
13 13 (Page Size)	"	"	"	"	"
14 14 (Page Size)	"	"	"	"	"
15 15 (Page Size)	"	"	"	"	"
15-16 R000100350017	"	"	"	"	"
16 16 (Page Size)	"	"	"	"	"
17 17 (Page Size)	"	"	"	"	"
17-0	"	"	"	"	"

February 1951  
 Complete

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## STATUS OF BASE MAPS FOR THE MONTH OF 31 DECEMBER 1950

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NLS NUMBER	Line Work		Names		Line Work		Names		Final Reprod.
	Complete	"	Complete	"	Complete	"	Complete	"	
18 (Page Size)	"	"	Complete	"	Complete	"	Complete	"	Complete
19 (Page Size)	"	"	"	"	"	"	"	"	"
20 (Page Size)	"	"	"	"	"	"	"	"	"
21 (Page Size)	"	"	"	"	"	"	"	"	"
19-21	"	"	"	"	"	"	"	"	"
22 (Page Size)	"	"	"	"	"	"	"	"	"
23 (Page Size)	"	"	"	"	"	"	"	"	"
22-23	"	"	"	"	"	"	"	"	"
24 (Page Size)	"	"	"	"	"	"	"	"	"
26	"	"	"	"	"	"	"	"	"
26-II	"	"	"	"	"	"	"	"	"
26-III	"	"	"	"	"	"	"	"	"
26-IV	"	"	"	"	"	"	"	"	"
26 (Page Size)	"	"	"	"	"	"	"	"	"
27 (Page Size)	"	"	"	"	"	"	"	"	"
28 (Page Size)	"	"	"	"	"	"	"	"	"
29 (Page Size)	"	"	"	"	"	"	"	"	"
30 (Page Size)	"	"	"	"	"	"	"	"	"
31 (Page Size)	"	"	"	"	"	"	"	"	"
29, 29, 30, 31	"	"	"	"	"	"	"	"	"
32 (Page Size)	"	"	"	"	"	"	"	"	"

STATUS OF BASE MAPS FOR THE NIS AS OF 31 DECEMBER 1950

NIS NUMBER	REPLICATION		COPYING		Final Reprod.
	Line Work	Names	Line Work	Names	
33 (Page Size)	Complete	Complete	Complete	Complete	Complete
34 (Page Size)	"	"	In Progress	In Progress	March 1951
35 (Page Size)	In Progress	In Progress	"	"	"
35-I	In Progress	At BGN	"	"	30 March 1951
35-II	"	"	"	"	"
36 (Page Size)	"	"	"	"	"
37 (Page Size)	In Progress	At BGN	"	"	April 1951
38 (Page Size)	In Progress	"	"	"	"
39 (Page Size)	Complete	Complete	Complete	Complete	Complete
39-I-40	"	"	"	"	"
39-II	"	"	In Progress	In Progress	January 1951
39-III	"	"	Complete	Complete	Complete
39-IV	"	"	"	"	28 February 1951
40 (Page Size)	"	"	"	"	Complete
41 (Page Size)	"	"	"	"	"
42 (Page Size)	"	"	"	"	"
43 (Page Size)	"	"	"	"	February 1951
S.45	"	"	"	"	"
46 (Page Size)	In Progress	At BGN	"	"	"
48 (Page Size)	In Progress	At BGN	"	"	Complete
49 (Page Size)	Complete	Complete	Complete	Complete	April 1951
					May 1951
					Complete

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## STATUS OF BASE MAPS FOR THE NIS OF 31 DECEMBER 1950

NIS NUMBER	COMPILATION		DRAFTING		Final Reprod.
	Line Work	Names	Line Work	Names	
53 (Page Size)	Complete	Complete	Complete	Complete	Complete
54 (Page Size)	"	"	"	"	"
55 (Page Size)	"	"	"	"	"
56 (Page Size)	"	"	"	"	"
60 (Page Size)	In Progress	"	"	"	"
65 (Page Size)	Complete	Complete	Complete	Complete	April 1951
67 (Page Size)	"	"	"	"	"
68 (Page Size)	"	"	"	"	"
86 (Page Size)	"	"	"	"	"
94 (Page Size)	"	"	"	"	"
99 (Page Size)	In Progress	At RGN	"	"	May 1951

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## I. Final NIS Maps being prepared by D/Ma - 3 January 1951

NIS No.	Sec.	Color	Map No.	Title	Text due at D/Ba	Estimated Date for Proof or Status
1	(41)	Color	11777	Population Density	June 1951	30 May 1951
	(52)	Color	11658	British Empire and Commonwealth	Text at D/Ba	Final Reprod.
	(62)	Color	11759	Coal Fields	May 1951	28 Feb. 1951
4	(61)	Color	11776	Fishing Grounds	May 1951	30 April 1951
8	(61)	Color	11517	Fisheries	Feb. 1951	Proof Submitted
10	(61)	Color	11559	Forest Cover Types	March 1950	28 Feb. 1951
11	(61)	Color	11272	Charcoal	Text at D/Ba	Proof Submitted
		Color	11273	Forests	" "	" "
	(63)	Color	11626	Principal Mineral Districts	" "	" "
13	(41)	Color	11642	Population Changes '39 - '46	When ready	Indefinite Date
		Color	11643	Population Density 1946	" "	" "
	(52)	Color	11640	Administrative Divisions	" "	" "
21	(61)	Color	11757	Fisheries	When ready	28 Feb. 1951
	(62)	Color	11550	Oil and Gas Fields	April 1951	Proof Submitted
		Color	11628	Coal Deposits and Mines	" "	" "
26	(61)	Black	11281	Fisheries Reference Map	Dec. 1950	Proof Submitted
		Color	11321	Forest Types	" "	" "
		Color	11400	Distribution of Forest Stock	" "	" "
		Color	11401	Consumption of Industrial Wood	" "	" "
		Color	11402	Important Sawmill Centers	" "	" "
	(62)	Color	11303	Oil and Gas Index	March 1951	" "
		Color	11304	Oil and Gas Fields	" "	" "
30	(42)	Color	11645	Tribes	Feb. 1951	Proof 15 Jan.
		Black	11681	Races and Religions	Text at D/Ba	" "
	(62)	Color	11571	Oil Fields and Petroleum Resources	Jan. 1951	Proof Submitted
	(63)	Black	11572	Mineral Resources	Text at D/Ba	Complete
33	(61)	Color	11354	Fisheries	Text at D/Ba	Proof Submitted
		Color	11443	Selected Natural Products	" "	" "
		Color	11444	Food Processing Installations	" "	" "
		Black	11672	Mean Annual Precipitation	" "	Complete
35	(41)	Color	10876	Rev.-Density of Population	Jan. 1951	Proof Submitted
			10893	Rev.-Distribution of Largest Communities	" "	" "
39	(42)	Color	11476	Culture and Languages	Feb. 1951	Proof Submitted
		Color	11496	Expansion of Chinese Culture	" "	" "

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## I. Final HIS Maps being prepared by D/La - 3 January 1951 (Cont'd.):

HIS No.	Sec.	Color	Map No.	Title	Text due at D/La	Estimated Date for Proof or Status
39 (Cont)	(42)	Color	11519	Ethno-Linguistic Groups in Sinkiang	Feb. 1951	Proof Submitted
		Color	11520	Principal Minority People of S.W. China	"	" "
		Color	10409	(Rev.) Linguistic Groups	"	" "
	(61)	Color	11604	Fisheries	March 1951	20 Feb. 1951
	(62)	Color	11537	Petroleum Resources	April 1951	Proof Submitted
	(64)	Color	-	Railroad Facilities	Feb. 1951	20 Feb. 1951
40	(61)	Black	11508	Forests	Text at D/La	Complete
	(63)	Color	11534	Minerals	"	"
49	(40)	Black	11430	Orientation Sketch	June 1951	Proof Submitted
	(61)	Color	11448	Principal Fishing Areas	Text at D/La	" "
53	(60)	Color	11403	General Economic Map	Text at D/La	Final Reprod.
	(61)	Color	11316	Fisheries	" "	Proof Submitted
	(63)	Color	11343	Minerals	" "	Final Reprod.
67	(60)	Color	11536	Fishing Grounds	?	Proof Submitted
		Color	11621	Location of U. S. Airfields, etc.	?	" "
68	(61)	Color	11551	Fisheries	Dec. 1950	Proof Submitted
66	(61)	Color	11551	Fisheries	Feb. 1951	Proof Submitted
	(62)	Color	11662	Coal Deposits and Oil Fields	Text at D/La	" "
	(63)	Color	11680	Mineral Deposits	Text at D/La	" "
	(S)	Color	11749	Oil Concessions	When ready	15 March 1951
94	(62)	Color	11605	Oil Fields	March 1951	Proof Submitted
		Color	11729	Coal in Santa Catarina	" "	Proof 10 Feb.

## II. HIS Work for Other Contributors in Reproduction as of 3 January 1951:

## A. Color Proofs: None

## B. Final Reproduction:

HIS No.	Sec.	Map No.	Rec'd. from Contributor	Clearance Memo Rec'd.	To Reproduction
4-6	(23)	15194	28 August 1950	28 August 1950	15 Sept. 1950
7	(23)	15256	2 November, 1950	2 Nov. 1950	9 November 1950
10	(33)	15809	3 November, 1950	3 Nov. 1950	7 December 1950
24	(83)	15231	1 November, 1950	20 August 1950	11 September 1950
39-III	(23)	15819	27 December, 1950	23 December 1950	4 January 1951
53	(64)	15130	15 November 1950	20 November 1950	19 December 1950

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## II. NIS Work for Other Contributors in Reproduction as of 3 January 1951:

## B. Final Reproduction: (Cont'd.)

<u>NIS No.</u>	<u>Sec.</u>	<u>Map No.</u>	<u>Rec'd. from Contributor</u>	<u>Clearance Memo Rec'd.</u>	<u>To Reproduction</u>
67	20, 24, 26	15239	2 November 1950	20 October, 1950	4 December 1950
		15240	2 November 1950	20 October, 1950	4 December 1950
		15241	"	"	"
		15242	"	"	7 December 1950
		15243	"	"	"
		15251	"	"	29 November 1950
		15252	"	"	"
		15253	"	"	"
		15254	"	"	"
		15255	"	"	"
68	32	15792	25 September 1950	25 September 1950	5 October 1950

## III. NIS Work for Other Contributors in B/Ma as of 3 January 1951:

<u>NIS No.</u>	<u>Sec.</u>	<u>Map No.</u>	<u>Rec'd. from Contributor</u>	<u>Clearance Memo Rec'd.</u>
7	SI	15818	4 January 1951	4 January 1951
49	63	15298	4 January 1951	None
65	23	15295	15 December 1950	None
	32	15287	4 January 1951	4 January 1951
67	22	15873	4 January 1951	4 January 1951
	23	15259	2 November 1950	None
68	24	15204	2 January 1951	20 October 1950
		15205	"	"
		15206	"	"
		15207	"	"
		15208	"	"
		15209	"	"
		15235	"	"
		15236	"	"
		15246	"	"
		15247	"	"
		15813	"	"

**SECRET**

SECRET

Excerpt from a comprehensive report dated May 5, 1950 on the Geographic Attache Program which included recommendations to each of the Bureaus of the Department of State

A. General Program

The Department of State directs a coordinated program for the procurement of foreign maps and geographic information through the facilities of the U. S. Foreign Service. The Department's Special Assistant for Maps provides detailed instructions, on a continuing basis, to Geographic Attaches conducting procurement and reporting activities within broad regional assignments. These instructions reflect the coordinated requirements of several mapping agencies of the U. S. Government and the Library of Congress for copies of published maps, gazetteers, atlases and related materials, and also for copies of manuscript maps pertaining to economic, political and social planning and development. In addition to other duties, these Attaches report on foreign mapping activities and organizations and negotiate map exchange arrangements with foreign mapping organizations, in which the Department of State assumes responsibility for fulfillment of U. S. commitments through the cooperation of U. S. Government agencies participating in this program.

The Geographic Attaches are trained geographers who have had experience in the field of map intelligence and who have been thoroughly briefed in general geographic and technical map requirements by appropriate representatives of the several Government agencies. As a result, these Attaches are in an excellent position to work not only with Foreign Service personnel but with field representatives of the military services. Since they have technical competence in the fields of geography and mapping and a first-hand knowledge of requirements, they are able to judge potential sources for overt exploitation and to select material of priority value.

B. Accomplishments

25X1C4a




year 1947. During the same period, the Inter-Agency Map Procurement Coordination Committee was established with representation from eight U. S. Government mapping organizations. This Committee has developed excellent routine procedures for the coordination of requirements for foreign maps and mapping information. There is unanimous agreement that the effectiveness of the procurement of foreign map materials for a

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variety of purposes has been greatly enhanced through the activity of this Committee in association with the geographic attache program. During calendar year 1949, 43,500 maps and 5,000 related publications were received from various foreign countries. Of the maps thus received, 29,000 were obtained as the result of exchanges with foreign countries. The U. S. Government agencies participating in this program transmitted 40,000 maps in fulfillment of U. S. commitments on the exchanges. At the present time, there are 165 active exchanges established with foreign agencies as the result of the work of the Geographic Attaches. These officers also have been submitting much information of a geographic character as well as a number of comprehensive reports on mapping activities within the countries visited. During fiscal year 1950, five Geographic Attaches with regional assignments have been operating abroad with posts of residence in



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CONFIDENTIALGENERALIZED SUMMARY OF REQUIREMENTS

JAN 8 1951

	OLI/M	AMS	IC	ACS	BGN	USGS	USC&GS
<u>Maps</u>							
Airfields - - - - -				3			
Aviation - - General - - - - -	4		1	3			
City Plans							
1:5,000 and smaller - - - - -	4	E5,P3	E2,P1	1 for			
When above scales are not available				Europe			
1:2,000 to 1:5,000 - - - - -	2	1-3	1	and Asia			
Larger than 1:2,000 - - - - -		1	1	any scale			
Communications and transportation - - -	4	3-5	E2,P1				
Geology - - - - -			E2,P1			2	
Special subjects other than above - - -	4		2				
Topo sets (see want lists)							
Smaller than 1:1,000,000 - - - - -	2	2	E2,P1				
Smaller than 1:300,000 to 1:1,000,000	2	3	E2,P1	Per	Per	Sam-	Sam-
1:100,000 to 1:300,000 - - - - -	2	5	1	want	want	ple	ple
1:20,000 to 1:100,000 - - - - -	If basic	5	1	list	list	sheets	sheets
Larger than 1:20,000 - - - - -	Set,2	1					
<u>Other publications</u>							
Atlases - - - - -	2	2 physical	1	1	ELPO		
Bibliographies - - - - -		1	1	1		1	
Boundary studies - - - - -	2	1	1	2		0	
Cartographic publications - - - - -	1	1	1	1		1	
Dictionaries, Foreign-English - - - - -	5	2 or 3	0	2 If ex-		Info-	
				change or			
				on Want			
				List			
Directories and government manuals - -	1	1	1	0		0	
Gazetteers - - - - -	5	5	1	2	1	Info.	
Geographic journals - - - - -	Info.	1	Info.	1		Info.	
	only		samples				
Glossaries - - - - -	5	5	1	2	1		
Guide books - - - - -	2	1	1	0			
Linguistic aids - - - - -	2	2	1	0	1	1	
Map catalogs and indexes - - - - -	3	3	2	2	1	1	1
Map symbol lists - - - - -	2	3	1	3	1	1	
Mapping agencies - annual reports,							
accessions lists, histories, etc.. -	1	1	1	2		1	
Pilots and sailing directions for							
country of issue - - - - -	1	1	1	0			
Pilot Handbooks, aviation Directories,							
aviation manuals. - - - - -				2			
Place name lists - - - - -	2	2	1	1	1		
Postal guides - - - - -	5	1	1	0	1		
Telephone directories - - - - -	1		1	0			
Territorial claims studies - - - - -	1		1	1			
Time tables - - - - -	1	1	0	0			

E = Exchange. 1. IC needs information on old maps which may lead to purchase.

P = Purchase. 2. HO needs oceanography material.

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Foreign Map Procurement through the  
Department of State  
January 1947 - June 1950 Incl.

1947 1948 1949 1950 Totals

**AFRICA**

Algeria			367	2	369
Anglo-Egyptian Sudan			259		259
Angola			9	22	31
Belgian Congo	61		18	4	83
Egypt	477	832	1480	10	2799
French West Africa		10	65	353	428
Gold Coast			9	7	16
Kenya	779		36	16	831
Liberia			36		36
Libya			251		251
Morocco	20	4	219		243
Nigeria			13		13
Tunisia		20	202		222
Union of South Africa			32	4	36
Zanzibar				14	14
Others			20	5	25
<b>Totals</b>	<b>1337</b>	<b>866</b>	<b>3016</b>	<b>437</b>	<b>5656</b>

**ASIA**

Afghanistan			50	9	59
Burma	76	3			79
China	504	203	105	70	882
India	322	579	222	27	1150
Iran	57	189	990	6	1242
Iraq	56		1	7	64
Japan			660	661	1261
Korea			4	68	72
Lebanon	9		23	1	33
Pakistan			16	6	22
Palestine	213	16	3		232
Saudi Arabia	3		6	37	46
Singapore			10		10
Syria	180		25	3	208
Turkey	243	3	130	21	397
Others			14	8	22
<b>Totals</b>	<b>1663</b>	<b>993</b>	<b>2199</b>	<b>924</b>	<b>5779</b>

**AUSTRALASIA and PACIFIC ISLANDS**

Australia	6		24	52	82
Philippines			239	10	249
Others			3	6	9
<b>Totals</b>	<b>6</b>		<b>266</b>	<b>68</b>	<b>340</b>

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Foreign Map Procurement through the  
Department of State  
January 1947 - June 1950 Incl.

	1947	1948	1949	1950	Totals
<b>EUROPE</b>					
Austria		6688	894	384	7966
Belgium	263	194	767	15	1239
Bulgaria		1	5	6	12
Czechoslovakia	27	22	90	60	199
Denmark			837	4951	5788
Finland	255	4206	543	1	5005
France	2606	9670	7452	4942	24670
Germany	884	18250	2404	462	22000
Great Britain	1839	701	6780	3065	12385
Greece	770	125	160	982	2037
Hungary	556	6	873	81	1516
Italy	502	6530	2717	483	10232
Luxembourg		27			27
Netherlands	73	881	285	3	1242
Norway	419	129	217	1745	2510
Poland	62	24	677	20	783
Portugal		2552	181	286	3019
Romania	37		8	12	57
Spain	2847	54	544	512	3957
Sweden	24	110	1407	159	1700
Switzerland		4107	1224	575	5906
USSR	85		42	124	251
Yugoslavia	6	25	36	27	94
<b>Totals</b>	<b>11255</b>	<b>54302</b>	<b>28143</b>	<b>18895</b>	<b>112595</b>
<b>NORTH AMERICA and WEST INDIES</b>					
Canada	63	3	4208	678	4952
Canal Zone			21		21
Costa Rica	2	2	9	13	26
Cuba	2		17	1	20
Dominican Republic	12				12
Guatemala	164	205	3	7	379
Mexico	104	1084	124	27	1339
Nicaragua	1		2	10	13
Panama	16	58	3	1	78
Others	7		4	1	12
<b>Totals</b>	<b>371</b>	<b>1352</b>	<b>4391</b>	<b>738</b>	<b>6852</b>
<b>SOUTH AMERICA</b>					
Argentina	1115	553	687	615	2970
Bolivia	99	4	146	15	264
Brazil	982	61	3956	738	5737
British Guiana				10	10
Chile	6			12	18
Colombia	51	721	13	228	1013
Ecuador	110	101	5	10	226
Paraguay			126	75	201
Peru		466	6	23	495
Uruguay	185	9	44	328	566
Venezuela	42	9	497	17	565
<b>Totals</b>	<b>2590</b>	<b>1924</b>	<b>5480</b>	<b>2071</b>	<b>12065</b>
<b>GRAND TOTALS</b>	<b>17222</b>	<b>59437</b>	<b>43495</b>	<b>23133</b>	<b>13287</b>

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## Distribution to U.S. agencies of maps received on exchange from foreign agencies through the Department of State and Library of Congress

January 1947 through June 1950

	1947	1948	1949	1950	TOTAL
CIA	7,909	11,222	14,440	8,686	42,257
ACS		48	921	901	1,870
AMS	4,453	10,791	6,511	7,764	29,519
LC	6,187	12,727	6,608	6,032	31,554
USGS		667	224	392	1,283
USC&GS		70	4	30	104
EGN		108	311	250	669
HO		214	2	45	261
Others		26	130	101	257
TOTALS	18,549	35,373	29,151	24,201	107,274

## Distribution of maps sent to foreign agencies (by source):

January 1947 - June 1950 Incl.

	1947	1948	1949	1950	TOTAL
CIA	6,300	3,359	2,250	1,345	14,254
ACS		1,767	4,397	458	6,622
AMS	933	19,017	7,505	5,640	33,095
LC	4,367	6,482	1,262	181	12,292
USGS		11,127	22,814	18,355	52,796
USC&GS		3,571	1,011	14	4,596
HO		96	520	74	690
TOTALS	12,100	45,919	39,759	26,567	124,345

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List of Active Map Exchanges  
with  
Foreign Agencies and Institutions  
as of December 11, 1950

Type of Exchange  
Department of State-Library of Congress  
Department of State-Library of Congress with Army Map  
Service written in on the Exchange  
Army Map Service Exchange

Notation  
DS-IC  
DS-IC (AMS)  
AMS

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NORTHWEST EUROPE - EXCHANGES

BELGIUM

BRUSSELS

- |    |  |              |
|----|--|--------------|
| 1. | Institut Geographique Militaire<br>Ministere de la Defense Nationale | DS-LC<br>AMS |
| 2. | Institut de Geographie, Universite Libre<br>de Bruxelles             | DS-LC        |
| 3. | Comite Special du Katanga  | DS-LC        |
| 4. | Administration de la Marine,<br>Ministere des Communication          | DS-LC        |
| 5. | Direction Generale de L'Urbanisme                                    | DS-LC        |
| 6. | Institut Royal Meteorologique de Belgique                            | DS-LC        |
| 7. | Ministere de l'Agriculture   | DS-LC        |
| 8. | Service Cartographique et Geodesique                                 | DS-LC        |
| 9. | Societe Nationale des Chemins de Fer Belges                          | DS-LC        |

LOUVAIN

- |    |  |       |
|----|--|-------|
| 1. | Institut Geographique Paul Michotte<br>University of Louvain | DS-LC |
|----|--|-------|

DENMARK:

- |    |  |              |
|----|--|--------------|
| 1. | Geodaetick Institute                               | DS-LC<br>AMS |
| 2. | Københavns Universitet,<br>Geografisk Laboratorium | DS-LC        |

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NORTHWEST EUROPE - EXCHANGES

EIRE

DUBLIN

1. Ordnance Survey Office DS-IC

ENGLAND:

BIRMINGHAM

1. University of Birmingham  
Department of Geography DS-IC

CAMBRIDGE

1. University Library, Cambridge Univ. DS-IC

CHESSINGTON SURREY

1. Ordnance Survey ALS-DMA (Directorate,  
Military Survey)

LONDON

1. The British Travel and Holiday Association DS-IC
2. Directorate of Colonial Survey ALS-DS-IC
3. Directorate of Military Survey (CSGS) ALS
4. The Geological Survey of Great Britain  
25X1X7 DS-IC
5. [REDACTED] DS-IC
6. Map Department, British Museum DS-IC
7. Ministry of Civil Aviation  
Aeronautical Mapping and Charting Section DS-IC
8. The Royal Geographical Society DS-IC

MANCHESTER

1. Ministry of Town and Country Planning DS-IC

OXFORD

1. Bodleian Library, Oxford University DS-IC

FINLAND

HELSINKI

1. Maanmittaushallitus  
(General Survey Office) DS-IC

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## NORTHWEST EUROPE - EXCHANGES

## LUXEMBOURG

## LUXEMBOURG

1. Administration du Cadastre  
Government of Luxembourg

DS-IC

## NETHERLANDS

## DLEFT

1. Topografische Dienst

DS-IC  
AMS

## THE HAGUE

1. Rijksdienst voor het Nationale Plan

DS-IC

## NORWAY

## BERGEN

1. Geografisk Institutt, Norges Handel-  
Shøyskole

DS-IC

## BLINDERN

1. Geografiske Institutt, Universitetet i Oslo.

DS-IC

## OSLO

1. Det Kongelige Samferdselsdepartement  
Luftfartsdirektoratet
2. Norges Geografiske Oppmåling
3. Norges Geologiske Undersøkelse
4. Norsk Polar Institutt

DS-IC

DS-IC

DS-IC

DS-IC

## SCOTLAND

## EDINBURGH

1. Maps Office, Department of Health for Scotland
2. Royal Scottish Geographical Society

DS-IC

DS-IC

## SWEDEN

## GÖTEBORG

1. Geografiska Institution Handelshögskolan

DS-IC

## STOCKHOLM

1. Generalstabens Litografiska Anstalt

DS-IC  
AMS

2. Geografiska Institutionen Handelshögskolan

DS-IC

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NORTHWEST EUROPE - EXCHANGES

SWEDEN: (Continued)

STOCKHOLM

- |                                     |       |
|-------------------------------------|-------|
| 3. Mikets Allmanns Kartverk         | DS-LC |
| 4. Sveriges Geologiska Undersökning | DS-LC |

CENTRAL EUROPE - EXCHANGES

AUSTRIA:

WIEN

- |  |              |
|--|--------------|
| 1. Geographisches Institut der Universität Wien                | DS-LC        |
| 2. Geographisches Institut, Hochschule für Welthandel, Wien    | DS-LC        |
| 3. Landesaufnahme  | DS-LC        |
| 4. Freytag-Berndt und Artaria                                  | DS-LC        |
| 5. Bundesministerium für Verkehr und verstaatlichte Postsiebel | DS-LC<br>AMS |

GERMANY:

LANDSHUT

- |                        |       |
|------------------------|-------|
| 1. Amt für Landeskunde | DS-LC |
|------------------------|-------|

GREECE:

ATHENS

- |   |              |
|---|--------------|
| 1. Greek Army Geographical Service                    | DS-LC<br>AMS |
| 2. Department for Reconstruction                      | DS-LC        |
| 3. Topographical Department, Ministry of Public Works | DS-LC        |

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## SOUTHWEST EUROPE - EXCHANGES

## FRANCE:

## PARIS

- |    |  |              |
|----|--|--------------|
| 1. | Institut Géographique National                                   | DS-LC<br>AMS |
| 2. | Bibliothèque Nationale<br>Division of Maps and Plans             | DS-LC        |
| 3. | Direction de la Documentation<br>Ministère de l'Information      | DS-LC        |
| 4. | Institut National de la Statistique et des<br>Etudes Economiques | DS-LC        |
| 5. | Institut de Géographie<br>Université de Paris                    | DS-LC        |
| 6. | Service de la Carte Géologique de France                         | DS-LC        |

## STRASBOURG

- |    |   |       |
|----|---|-------|
| 1. | Université de Strasbourg<br>Institut Géographique | DS-LC |
|----|---|-------|

## ITALY:

## FIRENZE

- |    |                              |       |
|----|------------------------------|-------|
| 1. | Istituto Geografico Militare | DS-LC |
|----|------------------------------|-------|

## MILANO

- |    |                       |       |
|----|-----------------------|-------|
| 1. | Touring Club Italiano | DS-LC |
|----|-----------------------|-------|

## NOVARA

- |    |                                 |       |
|----|---------------------------------|-------|
| 1. | Istituto Geografico De Agostini | DS-LC |
|----|---------------------------------|-------|

## ROME

- |    |                    |       |
|----|--------------------|-------|
| 1. | Aero Club d'Italia | DS-LC |
|----|--------------------|-------|

## PORTUGAL:

## LISBON

- |    |  |       |
|----|--|-------|
| 1. | Instituto Geográfico e Cadastral                               | DS-LC |
| 2. | Serviços Cartográficos do Exército                             | DS-LC |
| 3. | Ministério das Colónias  | DS-LC |
| 4. | Centro de Estudos Geograficos<br>Instituto para a Alta Cultura | DS-LC |
| 5. | Automóvel Club da Portugal                                     | DS-LC |



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## SOUTHWEST EUROPE - EXCHANGES

## PORTUGAL: (Continued)

## LISBON

6. University of Coimbra DS-IC

## SPAIN

## BARCELONA

1. Estación de Estudios Pirenaicos del Consejo Superior de Investigaciones Cientificas DS-IC
2. Oficina de Estudios de la Comisión Técnica Especial de Urbanismo del Ayuntamiento de Barcelona DS-IC

## MADRID

1. Servicio Meteorológico Nacional DS-IC
2. Alto Estado Mayor (Army High Command) DS-IC
3. Instituto Geográfico e Catastral DS-IC
4. Servicios Geográficos del Ejército DS-IC
5. Instituto Geológico y Minero DS-IC
6. Sección de Técnica General Ministerio de Obras Publicas DS-IC
7. Ministerio del Aire DS-IC
8. Dirección de Minas y Combustibles DS-IC

## SWITZERLAND

## BERN

1. Generaldirektion der PTT DS-IC
2. Kummerly und Frey DS-IC

## ZURICH

1. Kartographisches Institut Eidg. Technische Hochschule DS-IC
2. Zentralbibliothek DS-IC

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NEAR EAST - AFRICA - EXCHANGES

AFRICA:

ALGERIA

1. Service Cartographique,  
Gouvernement Général de l'Algérie,  
Alger. DS-IC

ANGLO-EGYPTIAN SUDAN

1. Sudan Survey Department,  
Khartoum. DS-IC

BELGIAN CONGO

1. L'Institut Geographique du Congo Belge,  
Leopoldville. DS-IC

EGYPT

1. Survey of Egypt,  
Giza DS-IC
2. Ministry of Agriculture, (Contact)  
Cairo. DS-IC

FRENCH WEST AFRICA

1. Service Geographique de l'A.O.F.  
Dakar (Part of IGM Paris Exchange) DS-IC

KENYA

1. Survey of Kenya,  
Nairobi. DS-IC

LIBYA

1. British Military Administration of Tripolitania,  
Tripoli. DS-IC

MOROCCO (FRENCH)

1. Direction des Travaux Publies. DS-IC
  2. Direction de la Sante Publique DS-IC
  3. Service Geologique, Direction de la Production  
Industrielle et des Mines. (Transferred to USGS) DS-IC
  4. Bureau des Cartes de la Residence. DS-IC
  5. Service des Statistique. DS-IC
  6. Direction de l'Agriculture et du Commerce. DS-IC
  7. Comite de l'Atlas du Maroc. DS-IC
- Rabat.

NIGERIA

1. Survey Department,  
Lagos. DS-IC

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## NEAR EAST - AFRICA - EXCHANGES

## AFRICA: (Continued)

TANGANYIKA

- |  |       |
|--|-------|
| 1. Department of Surveys & Town Planning,<br>Dar-es-Salaam | DS-IC |
|--|-------|

TUNISIA

- |   |       |
|---|-------|
| 1. Service Topographique,<br>Direction des Travaux Publics,                               | DS-IC |
| 2. Commissariat Au Tourisme En Tunisie  | DS-IC |
| 3. Service des Mines,<br>Direction des Travaux Publics                                    | DS-IC |
| 4. Service Botanique et Agronomique de Tunisie,<br>Ministere de l'Agriculture,<br>Ariana. | DS-IC |

UGANDA

- |  |       |
|--|-------|
| 1. Survey, Land & Mines Department,<br>Entebbe | DS-IC |
|--|-------|

IRAN

- |        |                                      |       |
|--------|--------------------------------------|-------|
| TEHRAN | 1. Geographic Division, Iranian Army | DS-IC |
|--------|--------------------------------------|-------|

TURKEY

- |        |                             |              |
|--------|-----------------------------|--------------|
| ANKARA | 1. Ministry of Public Works | DS-IC        |
|        | 2. Herta Genel Müfettişi    | DS-IC<br>AMS |

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SOUTH AMERICA - EXCHANGES

ARGENTINA:

BUENOS AIRES

- |   |             |
|---|-------------|
| 1. Instituto Geográfico Militar.          | DS-LC (AMS) |
| 2. Automóvil Club Argentino.              | DS-LC (AMS) |
| 3. Dirección General de Industria Minera. | DS-LC (AMS) |

BRAZIL:

RIO DE JANEIRO

- |                                    |             |
|------------------------------------|-------------|
| 1. Serviço Geográfico do Exército. | DS-LC (AMS) |
| 2. Conselho Nacional de Geografia. | DS-LC (AMS) |

SÃO PAULO

- |   |             |
|---|-------------|
| 1. Instituto Geográfico e Geológico de São Paulo. | DS-LC (AMS) |
| 2. Biblioteca Municipal.                          | DS-LC (AMS) |

BOLIVIA:

LA PAZ

- |   |             |
|---|-------------|
| 1. Instituto Geográfico Militar y Catastración. | DS-LC (AMS) |
|---|-------------|

CHILE:

SANTIAGO

- |   |             |
|---|-------------|
| 1. Instituto Geográfico Militar. (Exchange arrangement presented and agreed upon verbally.) | DS-LC (AMS) |
|---|-------------|

COLOMBIA:

BOGOTÁ

- |                                     |             |
|-------------------------------------|-------------|
| 1. Instituto Geográfico Militar.    | DS-LC (AMS) |
| 2. Ministerio de Minas y Petroleos. | DS-LC (AMS) |

ECUADOR:

QUITO

- |  |             |
|--|-------------|
| 1. Instituto Geográfico Militar.           | DS-LC (AMS) |
| 2. Dirección General de Minas y Petroleos. | DS-LC (AMS) |

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SOUTH AMERICA - EXCHANGES

PARAGUAY:

ASUNCION

1. Instituto Geográfico Militar.

DS-LC(AMS)

URUGUAY:

MONTEVIDEO

1. Servicio Geográfico Militar.

DS-LC(AMS)

VENEZUELA

CARACAS

1. Oficina Cartografía Nacional.

DS-LC(AMS)

NORTH AMERICA - EXCHANGES

25X6A

25X6A

25X6A

25X6A

AUSTRALASIA - EXCHANGES

25X6A

THAILAND:

1. Royal Survey Department,  
Ministry of Defence

DS-LC

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CENTRAL INTELLIGENCE AGENCY

Copy

Washington 25, D. C.

16 April 1948

MEMORANDUM TO: Special Assistant to the Secretary of State  
for Research and Intelligence  
7262 New State Department Building

SUBJECT: Foreign Map Procurement

1. Reference is made to the last paragraph of Memorandum of Agreement between the Department of State and this agency, dated 16 July 1947, which reads as follows:

"The Department of State through the Foreign Service will continue to provide CIG with foreign map service to the extent mutually agreed upon from time to time between CIG and the Department of State."

2. Since the above quoted agreement was signed it is understood that four map procurement officers have been maintained in the field by the Department of State to assist in the central service provided by our Map Branch. The assistance thus rendered in the field of collection of foreign maps and map data has been invaluable to the overall map intelligence program.

3. The Inter-Agency Map Procurement Coordination Committee has indicated that current coverage is not adequate to meet essential collection requirements. This committee has recommended an increase in the number of map procurement officers for use in foreign areas by the Department of State for the fiscal year 1949 to a total of seven (7), with stations and coverage as indicated below:

<u>Station</u>	<u>Coverage</u>
London	Northern Europe
Vienna	Satellite Countries
Praetoria	South Africa (later Western Europe)
Buenos Aires	South America
Cairo	Near and Middle East (including N. Africa)
Delhi	Southern Asia and South Pacific
Shanghai	Far East

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4. This agency approves the committee recommendation and requests that stations be manned by 1 July 1948. The service thus made available is considered to be essential to the interests of all government intelligence agencies and the national security.

/signed/

R. H. HILLENKOETTER  
Rear Admiral, USN  
Director of Central Intelligence

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PROCUREMENT & REFERENCE BRANCH  
DECEMBER 1950  
SUMMARY OF STATISTICS

RECEIPTS (for retention in Map Library)Maps

- a. Made in Map Division
- b. From other domestic sources
- c. From foreign sources
- Total

Specialty  
Map Sheets  
9,709  
829  
592  
11,130

Set Map  
Sheets  
0  
5,845  
1,361  
7,206

Total  
Map Sheets  
9,709  
6,674  
1,953  
18,336

Atlases and other reference materials

- a. From domestic sources
- b. From foreign sources
- Total

Total Volumes  
55  
216  
271

PROCESSINGMap Cataloging

- a. Special maps - CIA
- b. Special maps - all other
- c. Sets indexed and cataloged
- Total

Titles  
9  
439  
11  
459

Sheets/Volumes  
9  
673  
594  
1,276

Cataloging, etc. of reference works

- a. Atlases shelf-listed
- b. Other reference volumes
- Total

6  
8  
14

9  
15  
24

DISBURSEMENTSMaps

- a. To domestic establishments
  - 1. To CIA
  - 2. To Department of State
  - 3. To National Military Establishment
    - a) Department of the Army
    - b) Department of the Navy
    - c) Department of the Air Force
    - d) Other NME
  - 4. To other Government agencies
- b. To establishments overseas
  - 1. To Foreign Service posts
  - 2. To Foreign agencies (including only materials furnished by Procurement & Reference Branch)
  - Total

Requests  
386  
317  
  
69  
8  
25  
16  
81  
  
10  
1  
913

Titles  
1,174  
1,120  
  
268  
49  
89  
36  
260  
  
28  
25(est.)  
2,049

Sheets/Volumes  
9,826  
1,608  
  
955  
235  
139  
132  
1,155  
  
87  
36  
14,153

Atlases and other reference materials

- a. To domestic establishments
- b. To foreign establishments
- Total

32  
2  
34

45  
31  
76

63  
34  
97

Information

- a. Place-name questions
- b. Other reference inquiries
- Total

184  
38  
222

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